

## A B S T R A C T

A method of allocating data transmission channels to a mobile station, in particular in half-duplex mode, in a mobile telecommunications network of the type using packet mode and having multiple access by multiplexing transmission channels, in which method the transmission channels allocated to a mobile station, respectively in a "down" direction from the network to the mobile station, and in an "up" direction from the mobile station to the network, can change at each "allocation period", a transmission authorization received over a transmission channel in the down direction for a given allocation period indicating that the transmission channel is allocated in the up direction for the following allocation period; wherein a transmission authorization received over a transmission channel in the down direction for a given allocation period indicates that not only the transmission channel, also referred to as the authorization channel, but also consecutive transmission channels identifiable from the authorization channel using a predefined relationship, are allocated in the up direction for the following allocation period.